



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Benjamin Y.H. Liu et al.

Appln. No. : 10/769,011

Filed : January 30, 2004

For : HIGH-PERFORMANCE AND MULTI-  
LIQUID-PRECURSOR  
VAPORIZATION IN  
SEMICONDUCTOR THIN FILM  
DEPOSITION

Group Art Unit: 1763

Examiner:

Docket No.: M419.12-0043

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, THIS

4 DAY OF August, 2004.  
  
PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97.

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

2.     \_\_\_ after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

- A.     \_\_\_ a statement as specified in 37 C.F.R. § 1.97(e).  
B.     \_\_\_ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3.     \_\_\_ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:

- A.     a statement as specified in 37 C.F.R. § 1.97(e);  
B.     the petition fee set forth in 37 C.F.R. § 1.17(p).

**STATEMENT**

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

\_\_\_ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

\_\_\_ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than

three months prior to the filing of this statement. 37  
C.F.R. § 1.97(e)(2).

**METHOD OF PAYMENT**

  X   No fee is required.  
       Attached is a check in the amount of \$       .

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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FORM PTO-1449	Atty. Docket No.: M419.12-0043	Appl. No.: 10/769,011
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Benjamin Y.H. Liu et al.	
	Filing Date	Group Art:
	January 30, 2004	1763

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	3,808,035	04/1974	Stelter	117	106R	
AB	5,160,664	11/1992	Liu	252	305	
AC	5,876,503	03/1999	Roeder et al.	118	715	
AD	6,216,708	04/2001	Agarwal	134	1.1	
AE	6,258,171	07/2001	Agarwal	118	715	
AF	6,409,839	06/2002	Sun et al.	118	726	
AG	6,464,782	10/2002	Sivaramakrishnam et al.	117	202	
AH	6,511,718	01/2003	Paz de Araujo et al.	427	576	
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL						
AM						
AN						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	
AP	
AQ	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.